

Figure 1

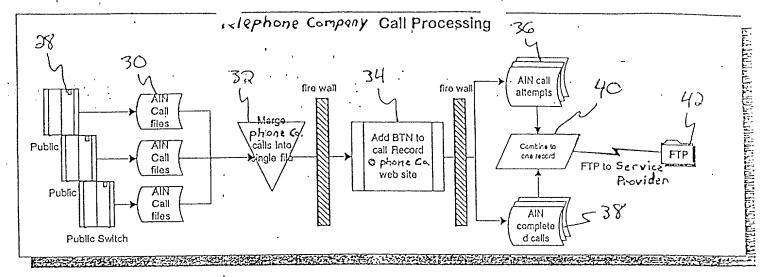


Fig. 2

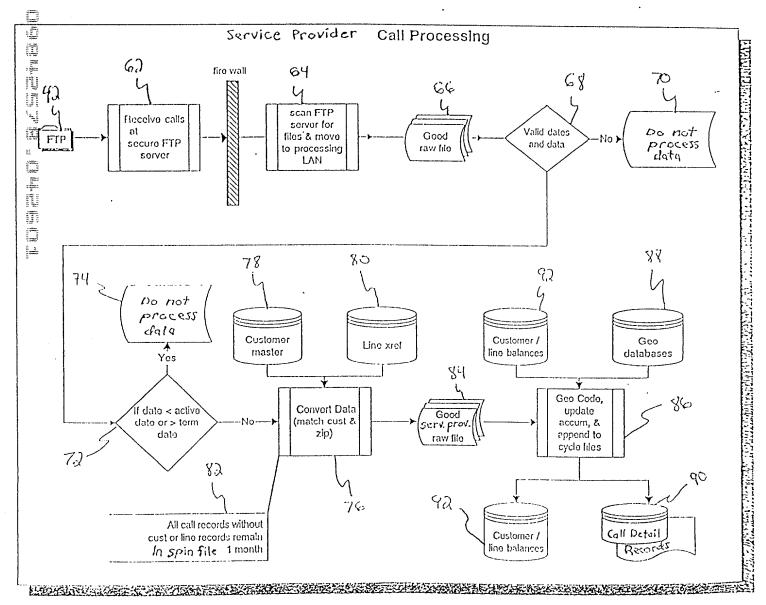


Fig. 4

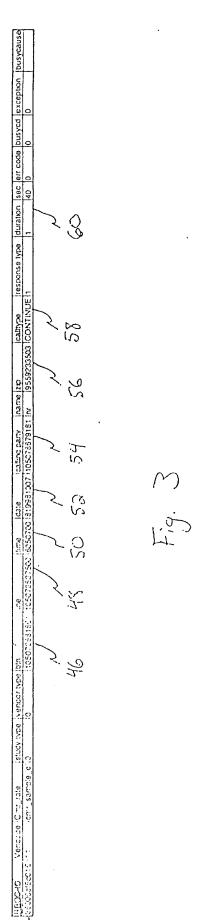


Fig. 5.

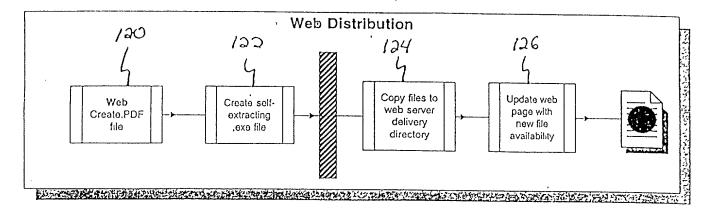


Fig. 6

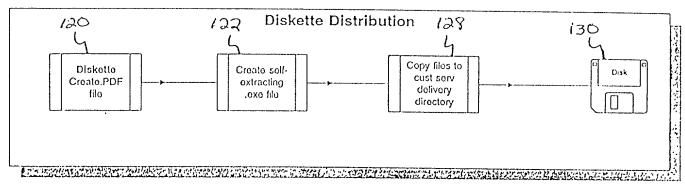


Fig. 7

•	MISC												1	T															
22	Q_BYTES MISC	S	S	S	J	D))		S	S	S	D		S	S	S	_ 	A	A	A	A	٧	¥	А	A	- Y	A	Α,
A tal	ATITUDE	39.759868	38.733633 S	40.232652 S	0.000000 U	0.00000.0	0.000000	0.000000	0.000000	39.102459	39.102459	39.623529	0.000000	0.000000	39.102459 S	40.049073 S	39.790287	0.000000 0.000000	38.880692	39.028344	39.075182	39.075182	39.075182	38.787168	39.082738 A	39.082738	39.082738	39.082483	39.082483
1	LONGITUDE LATITUDE Q	84.193714 39.759868 S	85.384117	82.961757	0.00000.0	0.00000.0	0.00000.0	0.00000	0.00000	84.519930 39.102459 S	84.519930 39.102459 S	.84.364952 39.623529 S	0.00000.0	0.00000		84.941571	84.225906 39.790287 S	0.000000	-84.419803 38.880692 A	-84.722085 39.028344 A	84.737297 39.075182	84.737297 39.075182 A	84.737297 39.075182 A	-84.369442 38.787168 A	84.530487	84.530487 39.082738 A	84.530487 39.082738 A	84.529001 39.082483 A	-84.529001 39.082483 A
\mathcal{I}_{ω}		8-	8-	8-						φ.	Ψ.	Ψ.			Ÿ	~	Ψ.					-	_		<u> </u>	_	-		
R	POSTALCODE												•						410019720	410058211	410059751	410059751	410059751	410069608	410111135	410111135	410111135	410111160	410111160
3Q-	N NAME	unavailable	unavailable	unavailable	unavailable	unavailable	unavailable	unavailable	unavailable	unavailable	unavailable	unavailable	unavailable	unavailable	unavailable	unavailable	unavailable	unavailable	unavailable	unavailable	unavailable	unavailable	unavailable	unavailable	unavailable	unavailable	unavailable	unavailable	unavailable
7	DUB IXACTIONICPN NAME	5	5	5	ร	ก	5	บก	ก	5	กก	Jn	ก	น	ה	ה	'n	5	5	ā	5	'n	'n	5	ä	5	5	in	ın
	- VI	0	260	200	360	2730	. 240	0	230	110	220	100	0	90	0	220	701	2720	25	4400	0	2180	2850	280	760	3450	0	1610	710
	STATICALL			-	-													 			-	 			_	-		_	
T.	11:010) 	, -	-	=	=	=	0	-	-	=	-	0	-	0	-	Ξ	_	-	-	0	-	-		-	-	. c	-	-
4		íl -	1 C	2 0	j c	o	0		o	0-	0.	0	2	0_	i,	O.	0	C) C	2 C	2	0.	C	2 0		2 0	2 =	0	0
`	HC: 1140																												
35			56270511	758420 11	414111	555555 11	1111111110	11111	111111	901888	6066207160	9378565488 11	1111111111	1111111111	5136598931	471638	740067 11	111111	5135351212 11111111111111111111111111111111	805650 1	16977691	879769	10272083	6066650773 11 EDE67252114	3218116	2 0	100110	6062916544 1	3214564 11
-		UN CPIN CPIN	5135551212 3375767460	1212 7405	5133331212 / 403430420 643664549 1414141411	5135551212 555555555	1919 1111	1212 1111	5135551212 11111111111	5135551212 5133901888 1	1212 6066					1212 7658	1919 9375	5133331E1E 501E1 10531	1919 GORF	513531212 CCCCC35C	1212 6068	1212 606	1212 606	1212 505		1010 606	5135351212 0002158110	1212 606	1212 606
35					1 510000			8/23/98/00-52-46 AM 15135551212 11111111111	W 1513555			-1-		-	-1	8/23/98 DE-30-56 PM 5135551212 7658471638	9/22/29/03:30:30 III 5135551212 937274/067	M 51355	M 51255	M 51955	8/20/88 08:17.34 AM 5183531212 0035025353 8/10/08 08:33:35 AM 5135551212 6068697769	8/19/98 09:05:07 AM 5135551212 6066879769	6/19/30 03:03:04 Aivi 310353 IE IE 05553 51 50	6/19/98 US:22:39 FW 5135951212	8/2 1/36 U6.33.43 FIN 3133331212 U636/2244	6/17/36 11:39:37 AM 3133331212 0032219119			8/19/98 Pe:26:36 AM 5135551212 6069214564
+ <		CLIME	8/22/98/04:18:15 PM	4.18.30 7.	5.22/36 04.32.30 FM	0/22/98 08-55-34 AM	0.00.0	0.52.46 A	8/23/08 12-22-41 PM	8/23/98/12-48-28 PM	872/98 01-41-09 PM	0/22/08 01:53:40 DM	8/23/98 01.33.10 FW	8/23/98 03-32-58 PM	13-47-34 P	15.30.56 P	7.48.0E	0/23/30 07 : 10:23 F 141	0.23/30 1 1.03.44 F NI	0/2 1/30 03:00.47:04 AM	33.17.34 A	A 20.50.00	0.00.00	JS:22.33 F	7 0.00.40	20.50.00	6/20/30 02:43:02 FINI	14.03.40 :	29:26:36 A
25		O SOLATE C	8/22/98 04:18:15	2/22/22/2	0108/27:2	0/05/20/0	1 803/08 0	0/03/62/8	B/23/08 1	8/23/98	08/22/8	00/00/0	9/53/98	00/02/0 0 86/22/8	2/23/08	8/23/98	3/05/57/0	0/22/30	0.23/30	05/12/0	0/40/08/0	8/10/08	0/13/30	02/20/20	0/2/08/	6/1//30	0/20/20	9/18/08	8/19/98
5		7. 1.														-													

M ...

Geocoding logic hierarchy

		180			
	Criterion				Value
	CASEL				
IF	9 digit zip exists i	n zip field	& exists in ->	9 digit zip DB	А
	otherwise	9 digit zip (1st 5 digits)	exists in ->	5 digit zip DB	В
	otherwise	9 digit zip (1st 3 digits)	exists in ->	3 digit zip DB	С
	otherwise	npanxx of calling # field	exists in ->	npanxx DB	D.
	otherwise	npa of calling # field	exists in ->	nap DB	E
	otherwise	use special value indicatin	g unknown origi	in	F
	CASE 7 ~	182	_		-
otherwise, IF	6, 7, or 8 digit zip	exists in zip field (bad data)			
	AND	npanxx of calling # field	exists in ->	npanxx DB	G
	otherwise	npa of calling # field	exists in ->	nap DB	H
	otherwise	use special value indicating	g unknown origi	in	1
	CASE3~				
otherwise, IF	5 digit zip exists i	n zip field	& exists in ->	5 digit zip DB	J
1 of house of the second of th	otherwise	5 digit zip (1st 3 digits)	exists in ->	3 digit zip DB	К
Transport Transport Transport	otherwise	npanxx of calling # field		npanxx DB	L
In the property of the propert	otherwise	npa of calling # field	exists in ->	nap DB	M
a read-frager 1 to 1 t	otherwise	_ use special value indicating	g unknown origi	'n	N
Rate 3		186.			
оЩerwise, IF	< 5 digit zip exists	in zip field (bad data)			
16 1 16 1	AND	npanxx of calling # field	exists in ->	npanxx DB	Р
	otherwise	npa of calling # field	exists in ->	nap DB	Q
51 51	otherwise	use special value indicating	g unknown origi	n	R
	CASES	88			
omerwise, IF	0 or null exists in	zip field (no zip)			
1	AND	npanxx of calling # field	exists in ->	npanxx DB	S
8 Table 1	otherwise	npa of calling # field	exists in ->	nap DB	T
	otherwise	use special value indicating	g unknown origi	n	U

F16.9

.;

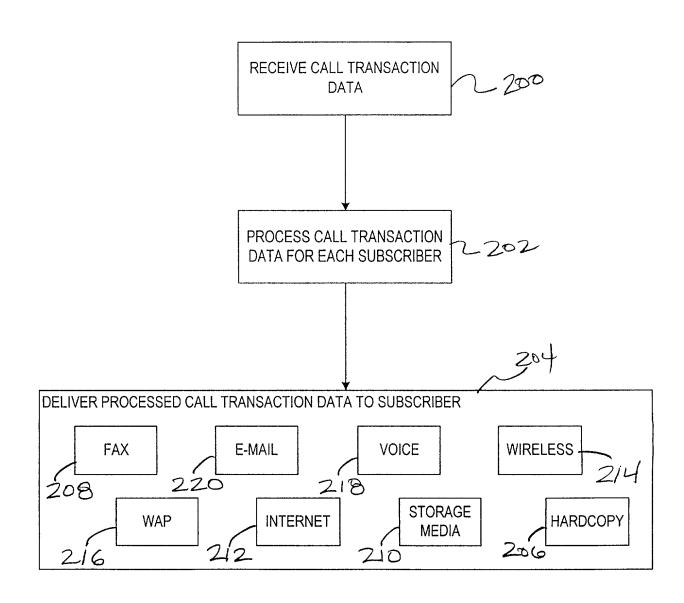
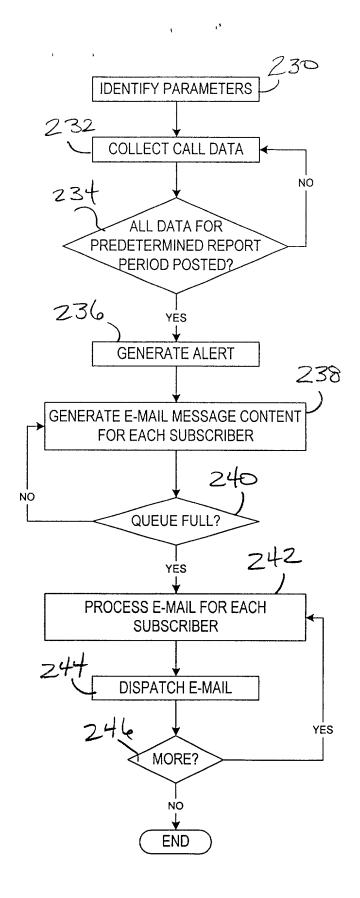


FIG. 10



To: customer@is	10. 2000 8:00	250 FIG. 12
Telephone Co. TeleFlash		256
Here is your call summary information f Phone Number: 301-555-1234	or the week of April	3, 2000 – April 9, 2000
Total incoming calls for the week: Total answered calls for the week: Total unanswered calls for the week: Total busy calls for the week: Total other calls for the week:	2909 2744 (94%) 30 (1%) 134 (5%) 1 (0%)	260
Your 7 day average calls per Your Mon-Fri average calls per day: Your busiest calling day: Your busiest calling hour:	416 562 Thursday 3-4 PM	
2627		·
Try Call Option-1 for as low as \$25		
 You will be able to analyze: Maps of calls and callers Lists of top callers and callers who remove when you spend the most amount of the most amount are marketing and according to the most amount of the most amount	eceived busies time with? onth, etc	rww.xyztelco.com こしし are?
Advertisement Text Advertisement Text A	dvertisement Text A	

If you would like to have this E-mail sent to other individuals within your company, go to http://www.xyztelco/teleflash.com/personalpage

If you would like to stop receiving this E-mail notification, go to http://www.xyztelco/teleflash.com/personalpage

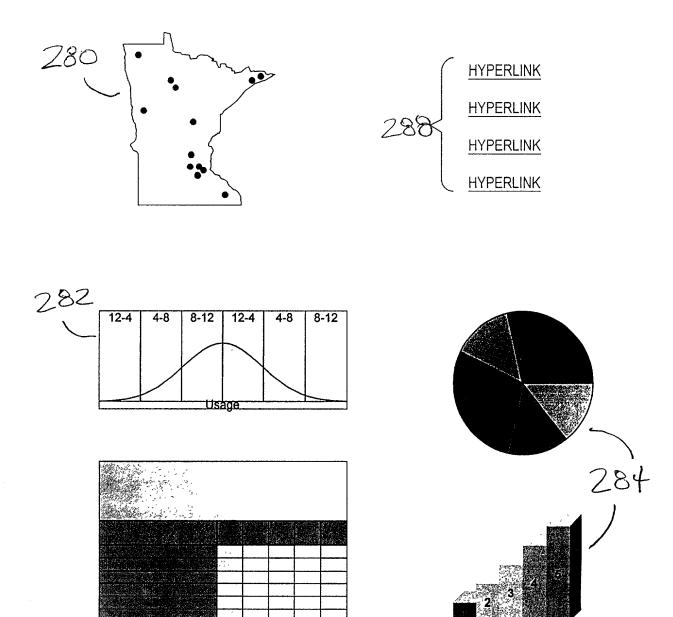
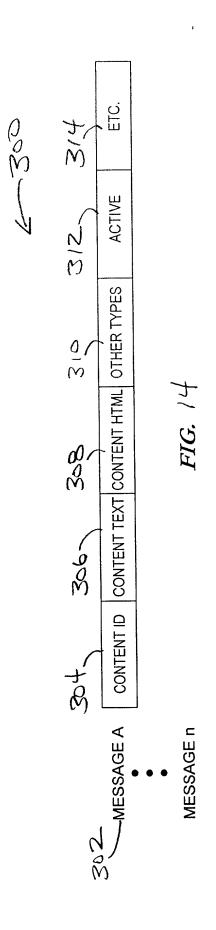
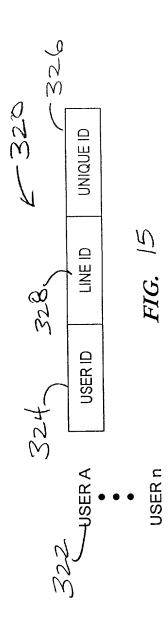


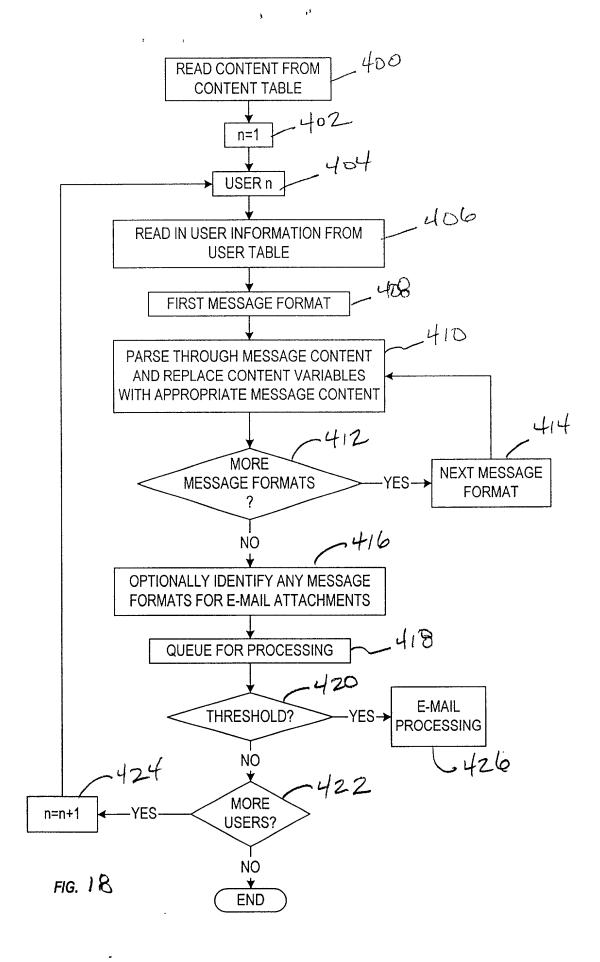
FIG. 13





]	
354	ETC.		
	VARIABLE COLUMN		
352	3LE V		
350)	VARIABLE ROW		e
348	VARIABLE OBJECT		FIG.
346	VARIABLE NAME		
14)	VARIABLE ID		
8	STC_ VARIABLE A	•••	VARIABLE n

	NUMBER OF CALLS THAT CAME IN	NUMBER OF CALLS THAT WERE ANSWERED	NUMBER OF CALLS THAT WERE UNANSWERED	NUMBER OF CALLS THAT WERE BUSY	NUMBER OF CALLS THAT WERE OF AN UNKNOWN STATE	PERCENTAGE OF CALLS THAT CAME IN (i.e., 100%)	PERCENTAGE OF CALLS THAT WERE ANSWERED	PERCENTAGE OF CALLS THAT WERE UNANSWERED	PERCENTAGE OF CALLS THAT WERE BUSY	PERCENTAGE OF CALLS THAT WERE OF AN UNKNOWN STATE	AVERAGE NUMBER OF CALLS FOR THE SEVEN DAYS	AVERAGE NUMBER OF CALLS FOR FIVE DAYS (M-F)	NUMBER OF CALLS FOR FIVE DAYS (M-F)	THE DAY WITH THE MOST TOTAL CALLS	NUMBER OF CALLS THAT OCCURRED FOR THE BUSIEST DAY	THE ZIP CODE WHERE THE MOST CALLS CAME FROM	THE STATE WHERE THE MOST CALLS CAME FROM
	INCOMING	ANSWERED	UNANSWERED	BUSY	OTHER	INCOMING %	, ANSWERED %	UNANSWERED %	BUSY %	OTHER %	SEVEN DAY AVERAGE	FIVE DAY AVERAGE	FIVE DAY TOTAL	BUSY DAY	BUSY DAY TOTAL	TOP ZIP	TOP STATE
3%0	3627	7507	366	Jo N		5.0	7707	ה ה ה ו	9) N (N	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	707		7 00		200	57075	292



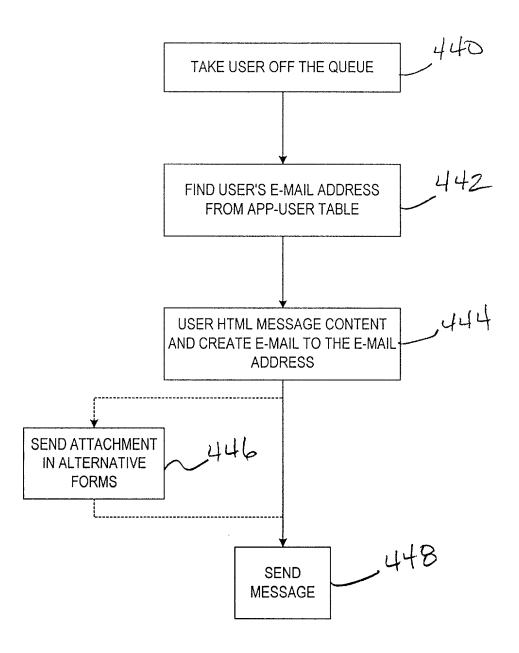
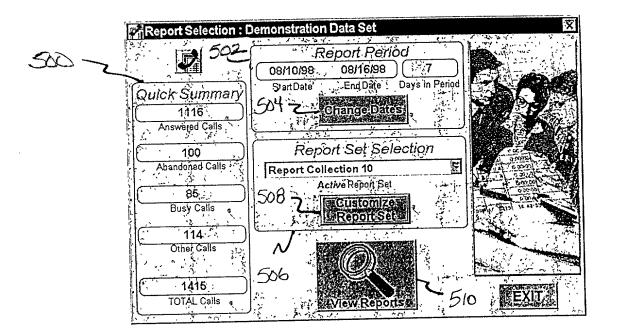


FIG. /9



F16.20

DARCO BELLEVA			นี่ดูนิธิโสโ99		Charles hi	JAMES EN
Monx	w Tue	W Wed	Wallhulk	黎阿	M Sat**	Sun
27	28	29	30	31	1	2
3	4	5	6	7	8	9
100		110	* ACTIVE * Available	a Val	115	418
17	1.8	19.	DIAVAIGE O	21	22	23
24	25	26	27	28	29	30
31	1	2	3	4	5	6

F16-21

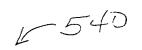
	Customize Report Sets]
į.	Report Collection 10 Incoming & Outgoing	.
	Report Sets: Select 532 Call Types Reports in Set 1 2	
-	Select Telephones	,
	New Copy Rename Deletes	
	Weekly View Monthly Yiew McCallers Areas Multi Location Sa Trends 4	
628.5	Summary A S Call Types A S S	
<i>J20</i>	Summary 🔽 🖂 Call Type By Day (weekly Total)	
!	Call Totals Call Type By Hour (daily Detail).	530
	Usage Call Type By Hour (weekly Total)	
	Total Call Duration 🖂 🖂	И
	Abandoned Totals	
	Other Totals.	
	ETIPS!	

F16.22

October 26, 1998 - November 1, 1998

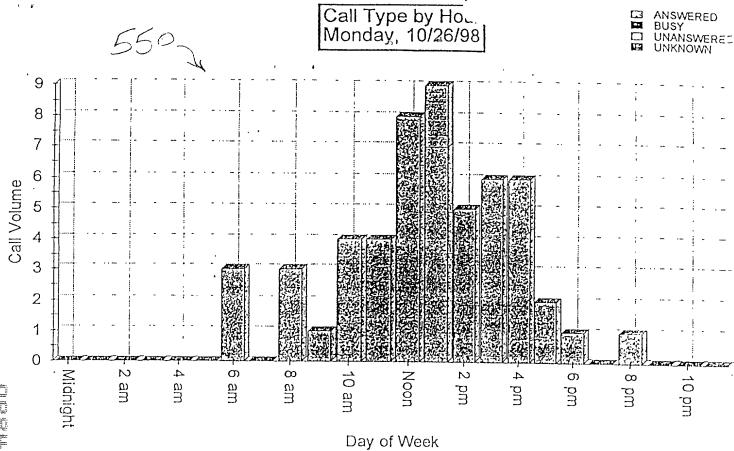
New ZIP Codes

New ZIP codes discovered in the current date range ranked by answered call count.



Zip Code	State	Call Count	First Call Date & Time	Last Call Date & Time	Total Duration
55402	MN	11	10/26/98 11:07:00 AM	10/30/98 02:46:00 PM	0:27:40.0
55416	MN	11	10/26/98 12:11:00 PM	10/29/98 02:37:00 PM	0:11:25.0
84111	UT	6	10/26/98 09:56:00 AM	10/28/98 02:15:00 PM	0:31:12.0
55343	MN	6	10/26/98 01:38:00 PM	10/30/98 11:57:00 AM	0:14:28.0
56304	MN	5	10/26/98 06:43:00 PM	10/28/98 05:47:00 PM	0:44:51.0
85012	AZ	4	10/27/98 05:15:00 PM	10/29/98 05:48:00 PM	0:06:14.0
55347	MN	4	10/26/98 06:51:00 AM	10/28/98 02:43:00 PM	0:02:31.0
98191	WA	3	10/26/98 10:34:00 AM	10/29/98 06:09:00 PM	0:16:07.0
55104	MN	3	10/26/98 11:48:00 AM	10/27/98 11:30:00 AM	0:03:12.0
55415	MN	3	10/27/98 05:34:00 PM	10/30/98 01:03:00 PM	0:02:17.0
80132	CO	3	10/26/98 12:57:00 PM	10/26/98 02:57:00 PM	0:01:24.0
5 5 25	MN	2	10/26/98 04:25:00 PM	10/28/98 03:56:00 PM	0:06:05.0
98488	WA WA	2	10/28/98 01:26:00 PM	10/28/98 01:29:00 PM	0:05:34.0
90400 83204	ID -	2	10/30/98 11:09:00 AM	10/30/98 11:09:00 AM	0:04:48.0
55 4 31	· MN	2	10/26/98 03:59:00 PM	10/30/98 09:44:00 AM	0:03:39.0
55124	MN	2	10/27/98 02:08:00 PM	10/27/98 02:10:00 PM	0:03:07.0
55364	MN	2.	10/27/98 03:50:00 PM	10/27/98 03:50:00 PM	0:00:46.0
55437	MN	2	10/28/98 05:11:00 PM	10/29/98 03:25:00 PM	0:00:29.0
	MN	1	10/27/98 03:20:00 PM	10/27/98 03:20:00 PM	0:09:54.0
55305 85283	^Z		10/28/98 05:44:00 PM	10/28/98 05:44:00 PM	0:07:33.0
85024		- -	10/27/98 05:41:00 PM	10/27/98 05:41:00 PM	0:04:06.0
80202	CO	-	10/30/98 01:36:00 PM	10/30/98 01:36:00 PM	0:03:35.0
55418	MN		10/30/98 08:37:00 AM	10/30/98 08:37:00 AM	0:03:17.0
Campana	OR .		10/29/98 02:13:00 PM	10/29/98 02:13:00 PM	0:02:32 0
9 7 401 80206		-	10/28/98 10.09:00 AM	10/28/98 10:09:00 AM	0:02:02.0
68144	NE	. '	10/28/98 03:14:00 PM	10/28/98 03:14:00 PM	0:01:51.0
···	MN	-	10/28/98 05:36:00 PM	10/28/98 05:36:00 PM	0:01:48.0
55391 55011	MN	-	10/26/98 02:30:00 PM	10/26/98 02:30:00 PM	0:01:47.0
85255	AZ		10/27/98 05:55:00 PM	10/27/98 05:55:00 PM	0:01:22.0
		-	10/30/98 11:29:00 AM	10/30/98 11:29:00 AM	0:01:11.0
99216	OR	-	10/26/98 02:08:00 PM	10/26/98 02:08:00 PM	0:00:57.0
97204	MN		10/26/98 03:59:00 PM	10/26/98 03:59:00 PM	0:00:43.0
55113		1 1	10/26/98 12:05:00 PM	10/26/98 12:05:00 PM	0:00:41.0
68102	NE	-	10/30/98 03:32:00 PM	10/30/98 03:32:00 PM	0:00:41.0
98004	WA		10/26/98 11:12:00 AM	10/26/98 11:12:00 AM	0:00:20.0
55422	MN	.	10/27/98 11:47:00 AM	10/27/98 11:47:00 AM	0:00:20.0
55102	MN	-	10/26/98 04:09:00 PM	10/26/98 04:09:00 PM	0:00:07.0
55427	MN			10/26/98 04:26:00 PM	0:00:05.0
55404	MN	_	10/26/98 04:26:00 PM		
55420	MN		10/26/98 10:05:00 AM	10/26/98 10.05:00 AM	0.00:03.0

F16.23



F16.24

